



## **Tide Gauge Data**

### **DATASET INFORMATION WORKSHEET**

#### **DESCRIPTION**

This data is from five tide stations located in waterways throughout Norfolk: Elizabeth River, Grandy Village, Lafayette River, Mason Creek, Ocean View Recreation Center. This data will allow users to track and analyze tide levels in the city of Norfolk. The data is updated every six minutes and encompasses a rolling year.

Note: At the Mason Creek tide station, the water flows through a weir system (small dam) that alters the flow characteristics of the water; data from this tide station will differ from the other four tide stations.

Note: The Pretty Lake tide station communication line has been damaged and is not currently transmitting data. Repairs are underway and data transmission should begin again in June 2021.

Disclaimer: The City is making this data available with the understanding that it has not been reviewed or verified by an expert. Although the city makes every effort to ensure the tide gauges are accurate, we cannot guarantee the calibration or proper functioning of the gauges and accurate recording of measured tide levels at all times. In no event will the City of Norfolk be liable for any damages, including but not limited to loss or damage to property, lost profits, business interruption, loss of business information or other pecuniary loss that might arise from the use of this data. Any use of this data is for general information only and shall not be used for any improper purpose.

#### **GPS COORDINATES FOR NORFOLK TIDE STATIONS**

Grandy Village (Eastern Branch Elizabeth River): 36.83975 , -76.25027

Downtown Pump Station (Main Branch Elizabeth River): 36.84819 , -76.29336

Mayflower Road (Lafayette River): 36.88854 , -76.28518

Granby Street (Mason Creek): 36.93147 , -76.26623

20<sup>th</sup> Bay Street (Pretty Lake): 36.92551 , -76.19395

#### **KEYWORDS**

flood, tide, gauge, sensor, measure, stormwater, resilience

**DEPARTMENT**

Department of Public Works, Division of Stormwater

**HOW OFTEN DATA IS UPDATED**

Every six minutes

**TIMEFRAME DATA ENCOMPASSES**

A rolling year

**RESOURCES**

Sewells Point Tide Gauge: <https://tidesandcurrents.noaa.gov/stationhome.html?id=8638610>

Money Point Tide Gauge: <https://tidesandcurrents.noaa.gov/ports/ports.html?id=8639348>

Chesapeake Bay Bridge Tunnel Tide Gauge:

<https://tidesandcurrents.noaa.gov/stationhome.html?id=8638863>

**CONTACT**

**Department of Public Works**

**John White, Stormwater Engineer**

P: 757-823-4018

E: [john.m.white@norfolk.gov](mailto:john.m.white@norfolk.gov)